PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference RUCC-0063		FOR FURTHER	(Form PCT/ISA/220) as well as, where applicable, it						
		ACTION below.		(Earliest) Priority Date (day/month/year)					
International application No. PCT/US03/34011		International filing date (day/month/year) 23 October 2003 (23.10.2003)		23 October 2002 (23.10.2002)					
Applicant									
RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY									
This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.									
This international search report consists of a total of sheets.									
This naci	It is also accompanied by a copy of each prior art document cited in this report.								
 Basis of the Report a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item. 									
	the international search was carried out on the basis of a translation of the international application furnished to this								
b.	Authority (Rule 23.1(b)).								
· "	search was carried out on the	basis of the sequence listing:							
		al application in written form.							
	filed together with the international application in computer readable form.								
	furnished subsequently to this Authority in written form.								
		is Authority in computer readable		·					
	the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.								
	the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.								
2.	Certain claims were found	unsearchable (See Box I).	•						
3.	Unity of invention is lacking	ng (See Box II).							
4. With	regard to the title.			. "					
	the text is approved as subm								
	the text has been established	d by this Authority to read as follow	NS:						
	•								
5. With	regard to the abstract,			*					
	the text is approved as subn			no III mana tana					
	the text has been established may, within one month from Authority.	i, according to Rule 38.2(b), by the name of mailing of this internated in the date of mailing of the internated in the contract of the contra	is Authorio itional sea	ty as it appears in Box III. The applicant rch report, submit comments to this					
6. The figure of the drawings to be published with the abstract is Figure No.									
	None of the figures								
	as suggested by the applicar because the applicant failed								
because this figure better characterizes the invention.									
	DOTAGE (0.0 (C. a. b. a.) (Inlu 1009)								

Form PCT/ISA/210 (first sheet) (July 1998)

INTERNATIONAL SEARCH REPORT

PCT/US03/34011

Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)					
This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:					
Claim Nos.: because they relate to subject matter not required to be searched by this Authority, namely:					
2. Claim Nos.: 27 and 31 because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically: Claims 27 and 31 are not listed.					
3. Claim Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).					
Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)					
This International Searching Authority found multiple inventions in this international application, as follows:					
As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.					
As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.					
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:					
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:					
Remark on Protest The additional search fees were accompanied by the applicant's protest.					
No protest accompanied the payment of additional search fees.					

Form PCT/ISA/210 (continuation of first sheet(1)) (July 1998)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/34011

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : A01K 67/00; C12P 1/00; C12N 9/10, 1/20, 15/00; C07H 21/04 US CL : 800/8; 435/4, 6, 41, 70.1, 183, 193, 252.3, 320.1; 536/23.2, 23.6							
According to International Patent Classification (IPC) or to both national classification and IPC							
B. FIELDS SEARCHED							
Minimum documentation searched (classification system followed by classification symbols) U.S.: 800/8; 435/4, 6, 41, 70.1, 183, 193, 252.3, 320.1; 536/23.2, 23.6							
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched							
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet							
C. DOC	UMENTS CONSIDERED TO BE RELEVANT		D. J 1 Car No.				
Category *	Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.				
X	XUE Z-T et al. Kinetin-induced caffeic acid O-methyltransferase in cell suspension cultures of Vanilla planifollia and isolation of caffeic acid O-methyltransferase cDNAs. Plant Physiol. Biochem. Paris, 1998, Vol. 36, No. 11, pages 779-788.						
Y	HAVKIN-FRENKEL et al. Vanallin Biosynthetic F Culture for the production of food ingredients, [Pro Cell and Tissue Culture for the production of food 17, 1997, pages 35-43.	1-26, 28-30, 32-40					
Y	US 2003/0070188 A1 (HAVKIN-FRENKEL et al.) entire document.	10 April 2003 (10.04.2003), see	1-26, 28-30, 32-40				
			·				
	documents are listed in the continuation of Box C.	See patent family annex.					
	pecial categories of cited documents:	"T" later document published after the inter	national filing date or priority				
	defining the general state of the art which is not considered to be	date and not in conflict with the application but cited to understa principle or theory underlying the invention					
of particu	lar relevance	-X" document of particular relevance; the c	laimed invention cannot be				
	plication or patent published on or after the international filing date	considered novel or cannot be considered when the document is taken alone	ed to involve an inventive step				
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		-Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination					
"O" document	referring to an oral disclosure, use, exhibition or other means	being obvious to a person skilled in the	ал				
"P" document published prior to the international filing date but later than the priority date claimed		-& document member of the same patent family					
Date of the actual completion of the international search		Date of mailing of the international search report 2 11 2004 Authorized officer Manjunath N. Rao, Ph.D. 4. Robert for					
09 June 2004 (09.06.2004)		Authorized officer					
Name and mailing address of the ISA/US Mail Stop PCT, Aun: ISA/US		Manipunath N. Raci Ph. D. F. Palm A. J.					
Commissioner for Patents							
P.O. Box 1450 Alexandria, Virginia 22313-1450 Feograpita No. (703) 872-9306		Telephone No. (571) 272-1600					

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